

Lighting

Electrics

Electronics

Air
Conditioning

Sales
Support

Technical
Service

**Our ideas,
your success**

Value-added partner Hella.

New products.



***Ideas today for
the cars of tomorrow***



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A better performance creates added value.

Your market is becoming more demanding all the time. Our unique combination of range and services will give you a solid foundation for successful business.

The range:

We ensure the supply of quality parts and top selling accessories to the aftermarket and garages. The quality of Hella original parts is based on our innovative competence, which has made us into a globally recognised development partner of the automotive industry. In the areas of Lighting, Electrics, Electronics and Air Conditioning.

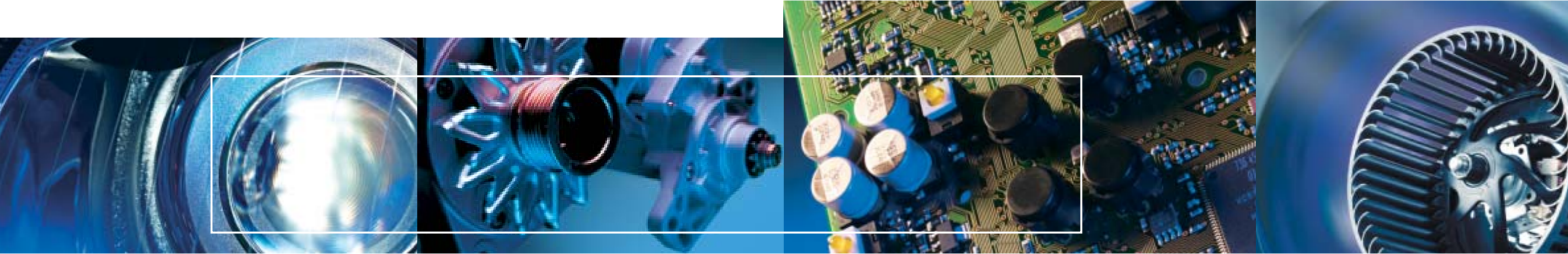
The service:

With Hella sales support and our recognised first-class technical service, we offer you an effective service combination. Our Marketing department provides you with instruments for winning over and keeping new customers, technical questions are answered quickly, directly and right down to the last detail.

With this strategy we have made the road to success wider for you. And we will keep on course in future, too.

Your Hella Aftermarket Team





More power. More design. More turnover for you.

Lighting

Hella has acquired the position of the leading original equipment supplier for standard headlamps and lamps. The equipment ratio has been increased thanks to innovations such as daytime running light, repeater flasher lamps, side marker lamps and bend lighting. At the same time, the degree of technical product complexity has been multiplied. As more and more passenger cars and commercial vehicles fitted with sophisticated Hella technology take to the roads, the partnership with Hella will become more and more valuable with every new model.

The whole accessories market benefits from Hella know-how. Pioneering lighting technologies, intelligent light and top design are convincing to all car drivers who want to upgrade their vehicle with state-of-the-art technology. Safety, comfort, design: that pays off with accessories, too.



More range. More parts. More turnover for you.

Electrics

On our way to becoming the number one lighting expert, we had to master more than just the basics of electrics, too. After all, it's the lens plus electrics that equals light. We have built up our range of electric products bit by bit on the basis of this competence. The range is being extended by new products and innovations year by

year and already comprises 14 different product areas. As much as possible from a single source and with a standardised quality promise – this strategy is paying off. For Hella and for our partners.

More range. More safety. More turnover for you.

Electronics

By 2010 the share of electronics in vehicles will have risen to more than 30 % of the overall material costs. The number of electronic vehicle components is increasing with every new model that comes off the assembly line. For wholesalers and garages this means enormous annual increases in turnover that are best tackled now in terms of

information and logistics. Hella has already formed the technical base and future-oriented supply platform by building up 19 electronics product areas. The range is flanked by a comprehensive information system so that anyone who has to deal with electronics can act quickly and safely.



More variants. More know-how. More turnover for you.

Air Conditioning

Garages' air conditioning business will have doubled in the next few years. Already, almost 80 % of all new vehicles leaving the production line are fitted with an air conditioning system. Which is why Hella has done all it can to make sure our partners can keep a cool head when looking to the near future. We already cover 29,000 vehicle applications and also supply a range of tools to enable

every garage to be able to carry out customized maintenance and repair work. Training events and specialist lectures convey the necessary technical know-how, since air conditioning work requires a lot of new knowledge and time to become familiar with the systems. However, the certain success makes the effort worthwhile.





Sales Support

We have built up systematic sales support for our customers. The best form of customer commitment conceivable for you.

- **Complaints procedures:** Simple, quick, fair.
- **Printed and electronic documentation:** For all target groups and product areas – always state-of-the-art technology.
- **High product availability:** 14,000 sales articles permanently in stock.
- **Continual Hella market research:** Which helps us make sure that our customers can always operate with fair market prices.
- **Stocking advice for wholesalers:** We support stock-keeping with detailed stock suggestions based on continually updated data including market volume, market trends, vehicle figures and wear rates.
- **Sales campaigns for the aftermarket and garages:** Creative, target-group specific, strong turnover.

- **Advertising and PR:** Advertisements and articles in specialist journals provide advance information for the customer groups. They produce demand pull at our partners.
- **Competent sales representatives:** They are always on hand to provide advice to customers about the complete range of articles, explain new ranges and products.
- **Experienced customer support staff:** The staff in the Customer Service Center provide you with all the information you require about ranges and availability, orders and delivery times.
- **Commercial training:** Hella offers commercial training in all product fields for the aftermarket and garages.
- **National and international trade fairs:** Hella is one of the most frequently visited exhibitors at all major national and international trade fairs.
- **Customer in-house fairs:** We support our customers with a large range of different presentation systems.



Hella Aftermarket Club – www.hella.com/amc

- **My Hella:** For wholesalers: Real time order summary provides information about the status of orders. Queries such as “Has my order already been dispatched?” or “When will I receive my order?” are answered directly online at any time of day or night – with a search function to find individual positions or orders.
- **Marketing information:** All current means of advertising and sales aids at a glance with order function: campaigns, brochures, catalogues,

- advertisement copies and much more besides can also be downloaded.
- **New products:** Detailed description of the new Hella products combined with a compact monthly summary. All the information you need – can also be downloaded.
- **Price list updates:** All price lists incl. updates and supplements are available for downloading in various file formats.

Technical Service

The demands made on product-specific and specialist knowledge are increasing from year to year. Especially in the field of modern headlamp technologies and in the air conditioning and electronics business. Hella keeps you informed.

- **Technical training:** On the subjects of function, technical data, diagnosis, installation and removal, reasons for failure, repairs etc.

- **Technical information/technical data:** Hella provides all customers with the relevant technical data, product information and installation and removal instructions for diagnosis and repair.
- **Technical hotline:** We solve technical problems straightforwardly in dialogue by phone, fax and e-mail.



- **Availability requests, price information and orders via TecCom:** Check product availability, receive price information, place orders – with interfaces to catalogue systems and the possibility of connection to the wholesaler’s merchandise information system. New data standards such as CAP are fully supported.
- **Part identification and cross-referencing via online catalogue:** Whether part identification or cross-referencing: with the online catalogue

- you always use the very latest information.
- **Technical information:** The comprehensive collection of technical documents on the subjects of installation, operation and maintenance of vehicle parts is supplemented by the current Hella training offer. Technical information and product illustrations via online catalogue: Look up straightforward illustrations, drawings, dimensions and technical data.

- **Hotline to your Service Team:** Which member of Hella staff can help with which problem? Summary of the Customer Service Center and Technical Customer Service – all the important telephone numbers and e-mail addresses at a glance.
- **Newsletter Service:** Keep up to date and don’t miss a thing. The Hella e-mail newsletter keeps you informed about current updates in the Aftermarket Club.

Headlamps

Numerous innovations in the passenger car main headlamps sector.

As a development partner of the international automotive industry, Hella is a driving force in engineering progress in the lighting sector. The comprehensive range of Hella original parts has been supplemented by attractive products. With xenon products being no exception, as you would expect from the European market leader in this area.



VW Golf V main headlamp

H7 dipped beam and H7 main beam, with headlamp levelling device, indicator with PY21W bulb, position light with W5W bulb, with ECE type approval, supplied with bulbs.

10/03 → 05/04
for right-hand traffic; left/right
1EG 247 007-011/-021
for left-hand traffic; left/right
1LG 247 007-031/-041

from 06/04 →
for right-hand traffic; left/right
1EG 247 007-171/-181
for left-hand traffic; left/right
1LG 247 007-191/-201



BMW 5 Series (E60) Bi-Xenon main headlamp

Bi-Xenon module for dipped beam/main beam, with additional H7 main beam, position light (H10W) with light guide rings and white indicator light (amber bulb PY21W) under a clear-glass cover lens, side marker lamp white (LED technology). Without ignition unit, burner (D2S) and electronic ballast. Supplied with bulbs.

from 07/03 →
for right-hand traffic; left/right
1EL 160 295/296-001
for left-hand traffic; left/right
1LL 160 695/696-001
with swivelling Bi-Xenon module
from 07/03 →
for right-hand traffic; left/right
1EL 160 287/288-011



Opel Astra H xenon main headlamp

Xenon-DE main headlamp. Xenon-DE module for dipped beam, H7 main beam (FF-reflector) with 5W position light (in the main beam chamber), integrated indicator lamp behind a plastic cover lens. Dynamic headlamp levelling stepper motor positioned on the interior. All functions wired inside via a central plug. Without ignition unit, burner (D2S), electronic ballast (incl. screws), retaining spring, H7 and 12 volt bulbs (H7, W5W, PY21W).

from 03/04 →
for right-hand traffic; left/right
1EL 008 700-311/-321
for left-hand traffic; left/right
1LL 008 700-331/-341



Opel Astra H main headlamp

H7 dipped beam and H1 main beam, PY21W indicator, W5W position light, integrated headlamp levelling device, with ECE type approval, supplied without bulbs.

from 03/04 →
for right-hand traffic; left/right
1EG 270 370-311/-321
for left-hand traffic; left/right
1LG 270 370-331/-341



Lancia Y main headlamp

With headlamp levelling device, dipped beam with H7 bulb, main beam with H3 bulb, indicator with PY21W bulb, position light with W5W bulb, with ECE type approval, supplied without bulbs.

from 10/03 →
for right-hand traffic; left/right
1EB 270 521-011/-021



Audi A6 (C6) main headlamp

With integrated indicator (PY21W), main beam with position light W5W, FF dipped beam H7, 3rd generation headlamp levelling device. Bulbs fitted: 2 x H7/PY21W/W5W.

from 05/04 →
for right-hand traffic; left/right
1EE 008 880-011/-021
for left-hand traffic; left/right
1LE 008 880-031/-041



Audi A6 (C6) Bi-Xenon main headlamp

With integrated indicator (PY21W), daytime running light (position light) P21/5W, Bi-Xenon dipped beam 70 mm lens/headlamp levelling device SAIA (dyn), but without electronic ballast, without ignition unit and without burner. Bulbs fitted: PY21W/P21W/W5W.

from 05/04 →
for right-hand traffic; left/right
1EL 008 881-111/-121



Lighting

Fog lamps

Three new fog lamps for current VW models.
Fog lamps for repairs in Hella original part quality. First-rate technology. Top-level safety.



VW Golf V fog lamp

With ECE type approval, suitable for both right-hand and left-hand traffic, with H11 bulb fitted

from 10/03 →
left/right
1N0 270 595-011/-021



VW Touran fog lamp

with ECE type approval, suitable for both right-hand and left-hand traffic, with H11 bulb fitted

from 01/03 →
left/right
1N0 270 596-051/-061



VW T5 fog lamp

with ECE type approval, suitable for both right-hand and left-hand traffic, with HB4 bulb fitted

from 01/03 →
left/right
1N0 270 481-051/-061



Combination rear lamps

Perfectly structured – absolutely reliable.
What is true of Hella's main headlamps also applies to the combination rear lamps: perfect in form, function and quality.



BMW 5 Series (E60) combination rear lamps

Saloon, with bulb holder and bulbs

from 07/03 →
left/right
2VP 008 679-111/-121



Opel Astra H body/lens

Saloon

from 03/04 →
left/right
9EL 160 467-011/468-011



VW Touran combination rear lamps

with bulb holder and bulbs

from 05/03 →
left/right
2VP 008 759-051/-061



VW T5 with tailgate combination rear lamps

with bulb holder and bulbs

from 04/03 →
with lens in red/amber
left/right
2SK 008 579-091/-101
with lens in red/white
left/right
2SK 008 579-131/-141



VW T5 with gullwing door combination rear lamps

with bulb holder and bulbs

from 04/03 →
with lens in red/amber
left/right
2SK 008 579-111/-121

Lighting Accessories

Auxiliary Lamps

The powerful Luminator auxiliary headlamp using the latest lighting technology.

- **High-boost reflector** for homogeneous and ideal illumination of the road thanks to the latest computer development and clear lens.
- Clear glass design with real glass lens.
- Weather-proof.
- Sturdy zinc diecast housing.
- Available either with high-sheen chrome-plating or matt-black long-life paintwork.
- For 12 and 24 volt vehicle electrical systems.

Luminator Compact with the top quality features of the large Luminator.

- Latest lighting technology.
- **High-boost reflector** for homogeneous and ideal illumination of the road thanks to the latest computer development and clear real glass lens.
- Sturdy zinc diecast housing.
- Housing variants available either with high-sheen chrome-plating or black long-life paint.
- Reference number 37.5 or 17.5.
- Available as driving lamp or fog lamp.
- Also available with circular position lamps in CELIS® light guide technology.
- In the case of the CELIS® versions the most powerful LED currently available generates the brilliant white appearance of the position light rings.
- Extremely sturdy auxiliary driving lamp with a diameter of 170 mm.
- For 12 and 24 volt vehicle electrical systems.



Luminator

Chromium driving lamp with position light
1F8 007 560-311

Metal driving lamp with position light
1F8 007 560-301

Chromium driving lamp Blue with position light
1F8 007 560-321



Size comparison.



Luminator Compact

Chromium driving lamp
Ref. no. 17.5
1F3 009 094-071

Chromium driving lamp
Ref. no. 37.5
1F3 009 094-031

Metal driving lamp
Ref. no. 17.5
1F3 009 094-061

Metal driving lamp
Ref. no. 37.5
1F3 009 094-021

Chromium driving lamp CELIS®
Ref. no. 17.5
1F1 009 094-091

Chromium driving lamp CELIS®
Ref. no. 37.5
1F1 009 094-051

Metal driving lamp CELIS®
Ref. no. 17.5
1F1 009 094-081

Metal driving lamp CELIS®
Ref. no. 37.5
1F1 009 094-041

Chromium fog lamp
1N3 009 094-011

Metal fog lamp
1N3 009 094-001

Clear-glass design now also available for the world-renowned Rallye 3000.

- **High-boost reflector** for homogeneous and ideal illumination of the road thanks to the latest computer development and clear real glass lens.
- Modern clear-glass design.
- Weather-proof.
- Real glass lens.
- Sturdy plastic housing.
- Sets innovative lighting trends.
- For 12 and 24 volt vehicle electrical systems.

Rallye 3000 Compact with the top quality features of the large Rallye 3000.

- Latest lighting technology.
- **High-boost reflector** for homogeneous and ideal illumination of the road thanks to the latest computer development and clear real glass lens.
- Sturdy plastic housing.
- Available as driving lamp and fog lamp.
- Also available with circular position lamps using CELIS® light guide technology.
- In the case of the CELIS® versions the most powerful LED currently available generates the brilliant white appearance of the position light rings.
- For 12 and 24 volt vehicle electrical systems.



Size comparison.



Rallye 3000

Driving lamp, ref. no. 37.5
1F8 006 800-301

Driving lamp with position light
Ref. no. 37.5
1F8 006 800-311



Rallye 3000 Compact

Driving lamp, ref. no. 17.5
1F3 009 390-031

Driving lamp, ref. no. 37.5
1F3 009 390-011

Driving lamp CELIS®, ref. no. 17.5
1F1 009 390-041



Driving lamp Blue with position light
Ref. no. 37.5
1F8 006 800-321

Driving lamp CELIS®
Ref. no. 17.5
1F8 006 800-401



Driving lamp CELIS®, ref. no. 37.5
1F1 009 390-021

Fog lamp
1N3 009 390-001

Lighting Accessories

Auxiliary Lamps

The optimum connection between function and aesthetics: modern-look optically-neutral glass cover lens painted blue.

- Model versions:
 - Comet FF 200 in a circular design
 - Comet FF 300 in an oval design
- Available as a driving lamp only.
- Suitable for universal installation thanks to its compact size (upright and pendant attachment possible).
- Metal brackets for universal installation to modern vehicle front ends.
- FF light technology for optimum light distribution on the road.
- Basalt-grey plastic housing (can also be individually painted).
- Type approval: ECE and SAE.
- Driving lamp with reference number 17.5.
- For 12 volt/H3 (55 watt) – bulb not included.



Comet FF 200 Blue
1F4 007 893-241



Comet FF 300 Blue
1FB 007 892-131



Premium lamps and lamp modules

The new freedom of design:

Premium lamp modules: attractive, contemporary clear-glass design to match current main and auxiliary lamps.

- Dipped beam, main beam and fog lamp.
- Halogen and xenon lighting technology with dipped beam.
- Sophisticated housing design, made of high-quality aluminium.
- Extremely compact dimensions with light aperture only 50 mm.
- Unusually powerful light output and homogeneous illumination of the road.
- Real glass lens.
- Great degree of design freedom within the limits set by legislation: all functions can be individually placed (ECE and SAE type approval).
- Modules can also be placed behind a common cover lens.
- Attachment/retention: 3-point retention, adjustable by means of setting screw, alternatively the dipped beam can also be adjusted via H/L stepper motor.
- Guarantees an independent vehicle design.
- 12 and 24 volt modules available.
- Extremely low weight.
- Installation possible from behind or from the front (with optional adapter ring).
- Optimised light output, thus use behind cover lenses possible.
- Combined tail-stop lamp available.
- Indicator-position lamp for SAE available.
- Waterproof bulb holder.
- 2 or 3-pole K-Jetronik plug-type connection for simplified electrical connection.
- Indicator and position lamp with both ECE and SAE type approval.



Premium headlamp modules

Dipped beam headlamp, halogen

- Right-hand traffic 12 volt; with ECE type approval
1BL 009 071-007
- Right-hand traffic 24 volt; with ECE type approval
1BL 009 071-027
- Left-hand traffic 12 volt; with ECE type approval
1ML 009 071-017
- Left-hand traffic 24 volt; with ECE type approval
1ML 009 071-037

Dipped beam headlamp, xenon

- Right-hand traffic 12 volt; with ECE type approval
1BL 009 071-047
- Right-hand traffic 24 volt; with ECE type approval
1BL 009 071-067
- Left-hand traffic 12 volt; with ECE type approval
1ML 009 071-057
- Left-hand traffic 24 volt; with ECE type approval
1ML 009 071-077

Driving lamp, xenon

- 12 volt; with ECE and SAE type approval
1FO 008 390-317
- 24 volt; with ECE and SAE type approval
1FO 008 390-327

Fog lamp, halogen

- 12 volt; with ECE and SAE type approval
1NL 008 090-317
- 24 volt; with ECE and SAE type approval
1NL 008 090-327



Premium lamp modules

- Indicator, front, clear-glass
2BA 009 001-071
- Indicator, front, Silver Vision
2BA 009 001-201
- Position light, front, clear-glass
2PF 009 001-081
- Indicator, rear, grey
2BA 009 001-001
- Indicator, rear, Silver Vision
2BA 009 001-191
- Auxiliary reversing light, grey
2ZR 009 001-011
- Tail lamp, red
2SA 009 001-041
- Stop lamp, red
2DA 009 001-051
- Tail-stop lamp, red
2SB 009 001-061
- Rear fog lamp, red
2NE 009 001-021
- Reflex reflector, red
8RA 009 001-031

Lighting Accessories

Upgrade main headlamps

Rings for the Golf! – Circular and brilliant white.

- CELIS® upgrade main headlamps with light rings.
- Unique CELIS® position light rings (the original from the inventor).
- LED as a light source – for brilliant white light.
- In comparison to filament bulb based light rings the light rings of the Hella headlamps have a white light colour.
- Precision reflector.
- Weather-proof.
- Clear-glass lens made of real glass!
- 4 x high-grade H7 bulbs included.



VW Golf III CELIS®
Upgrade headlamp set
Right-hand traffic
1AL 009 213-801
Left-hand traffic
1LL 009 213-811



Design combination rear lamps

VW Touran design combination rear lamp set in brilliant design.

Set design trends with the very latest clear-glass look. A free view of the brilliant-finish lens. High-sheen chrome-plated style elements. Perfect look thanks to silver-coloured bulbs in the indicator lamps. Rear fog lamps at both sides. Integrated reflex reflector.



VW Touran combination rear lamp set, brilliant
9EL 008 759-811



VW T5 combination rear lamp set, red/black/red for right-hand traffic; left/right
2SK 008 579-151/-161

VW T5 design combination rear lamp set in a brilliant-finish dark look.

For VW T5 Multivan, California and Transporter, with the exception of vehicles with swing doors. Styling: red/black/red. Perfect look thanks to silver-coloured bulbs in the indicator lamps. Rear fog lamps at both sides.

BMW 5 Series (E60) upgrade combination rear lamp set brilliant design.

First design combination rear lamp in Europe with Diadem bulbs for tail, stop, indicator and rear fog light. Sophisticated high-tech details contribute to the customized rear-end design. Classic effect thanks to the complete brilliant silver design.



BMW 5 Series (E60) combination rear lamp set, silver
2SK 008 679-811



Renault Scénic combination rear lamp set, brilliant silver for right-hand traffic; left/right
2SK 008 659-051/-061

Renault Scénic design combination rear lamp set in brilliant silver.

Design combination rear lamp with red Diadem bulbs for tail, stop, indicator and rear fog light. Sophisticated high-tech details contribute to the customized rear-end design. Classic effect thanks to the complete brilliant silver design.

Opel Zafira design combination rear lamp set with Premium lamp modules.

Trend lamps with brilliant-finish light modules for a customized rear-end design. Attractive modern clear-glass design to match the current main headlamp trends. Design trim can be painted in the colour of the customer's choice.



Opel Zafira combination rear lamp set
2VP 009 360-801

Lighting Accessories

Lighting

Daytime running light

VW Golf V daytime running light set in a clear-glass design. Be seen with Hella daytime running light.

- Very latest optically-neutral clear-glass design.
- Excellent light performance.
- Extremely long service life thanks to state-of-the-art high-performance bulbs and reflector technology.
- Lights are switched on automatically via the ignition.
- Minimum power consumption.
- Goes easy on the rest of the lighting equipment.
- Black design trim for optimum integration in the front apron.
- Simple installation and alignment thanks to specially developed VW Golf V design trims.
- Do-it-yourself installation possible.
- Complete with ECE and SAE type approval and not subject to approval by the registration authorities.



VW Golf V 10/03 →
Daytime running light set in clear-glass design
2PT 009 305-801

Headlamp levelling devices

Electric headlamp levelling devices in Hella original part quality.

The automatic headlamp levelling devices developed by Hella control the automatic adaptation of the angle of inclination without the driver's intervention, thus compensating the vehicle inclination caused by changes in the load.



12 volt headlamp levelling devices for

Audi A3/S3
6NM 007 878-541

Audi A6/S6 (halogen twin headlamps)
6NM 007 878-521

Audi A8, Skoda Octavia
6NM 007 878-531

Opel Omega (halogen headlamps)
6NM 007 282-641

Passat xenon (gas discharge lamp)
6NM 007 282-631



Lighting

Multiple function lamps for commercial vehicles

- “Oval” combination rear lamp**
- Modular attachment variants.
 - Modern design with brilliant finish.
 - Can be used horizontally and vertically.
 - Right-hand and left-hand attachment possible.
 - Available as flush-mounted and surface-mounted versions.
 - GGVS and ADR approved.
 - ECE and SAE approval (some versions).
 - Available both with and without “Deutsch” central plug.
 - Available both with and without bush.
 - Suitable for both 12 and 24 volt operating voltage.



Tail, stop, indicator lamp
2SD 343 130-011



Reversing light
2ZR 343 130-041

- “Cargoluna” combination rear lamp**
- Modern design with brilliant finish.
 - Homogeneous beam pattern.
 - Can be used horizontally and vertically.
 - Flat attachment position possible thanks to cable channel.
 - Compact design.
 - With ECE type approval.
 - GGVS and ADR approval.
 - Available both with and without “Deutsch” central plug.
 - Bush version suitable for 12 and 24 volt operating voltage.



Left: tail, stop, indicator light, rear fog light, reflex reflector
2VA 343 640-071



Right: tail, stop, indicator light, reversing light, reflex reflector
2VP 343 640-021



Rear fog light
2NE 343 130-031
Tail, stop light
2SB 343 130-021



Indicator, position light
2BE 343 130-001

Lamps for EasyConn wiring system*

- 24 volt trailer combination rear lamps for EasyConn wiring system**
- Combination rear lamp with integrated triangular reflex reflector.
 - Designed for heavy-duty trailers and semi-trailers.
 - With integrated central plug.
 - 4-fold vibration damping for extremely long bulb service life.
 - Available with or without rubber arm lamp and side marker lamp.
 - Tail, stop, indicator, reversing, rear fog lamp with integrated triangular reflex reflector.



Combination rear lamp with central plug and built-in 24 volt bulbs
2VP 340 830-001 right



Combination rear lamp with SMLR and with built-in 24 volt bulbs
2VP 340 830-021 right

Combination rear lamp with central plug and built-in 24 volt bulbs
2VP 340 830-011 left

Combination rear lamp with SMLR and with built-in 24 volt bulbs
2VP 340 830-031 left

Combination rear lamp with rubber arm and built-in 24 volt bulbs
2VP 340 830-101 right

Combination rear lamp with cable screw connection (instead of central plug)
2VP 340 831-001 right

Combination rear lamp with rubber arm and built-in 24 volt bulbs
2VP 340 830-111 left

Combination rear lamp with cable screw connection (instead of central plug)
2VP 340 831-011 left



Indicator light, front and rear
2BA 343 130-051



* EasyConn wiring system available from November 2004

Lighting

Lamps for EasyConn wiring system*

Clearance lamp and side marker lamp with rubber arm

- Lamp with flexible rubber arm attachment.
- With integrated side marker lamp.
- Innovative double chamber system prevents the penetration of humidity and reduces lamp failures to a minimum.
- Approved according to GGVS/ADR.



Number plate lamp

- With 0.5 metre cable and EasyConn plug, 2-pole.
- Clear glass lens.
- For attachment to the left or right of the number plates.
- Approved according to GGVS/ADR.

with moulded EasyConn system plug, 2-pole, 0.5 metre cable and built-in 24 volt bulb

2XS 340 827-001 right

with moulded EasyConn system plug, 2-pole, 0.5 metre cable and built-in 24 volt bulb

2XS 340 827-011 right



Number plate lamp with built-in 24 volt festoon bulb

2KA 340 828-001

Side marker lamp with reflex reflector

- Long service life thanks to 2 powerful Piranha LEDs.
- The lamps are available as a bracket-mounted version or for direct attachment.
- With moulded EasyConn plug, 2-pole, Quick-Link cabling or open cable end available.
- Completely pre-wired lamp chains in the range.



Attachment "forwards" or "backwards" thanks to angled bracket with moulded EasyConn plug, 2-pole

2PS 340 836-051

with Quick-Link cable attachment suitable for Hella flat cable; with 1.3 metre cable

2PS 340 837-041

with moulded 1.3 metre cable and EasyConn plug, 2-pole

2PS 340 837-111



Attachment using attachment holes at the side, with moulded EasyConn plug, 2-pole

2PS 340 836-011

with Quick-Link cable connection suitable for Hella flat cable; with 1.3 metre cable

2PS 340 837-031

with moulded 1.3 metre cable and EasyConn plug, 2-pole

2PS 340 837-101

Single function lamps

Safety stop light Thinlite

- Can be used horizontally and vertically.
- Extremely low profile of only 9 mm.
- Available as a screw-type or adhesive version.
- With 10 powerful LEDs.
- Cover caps for attachment screws in the same colour as the lens.
- With 3 metre cable.
- Approval for ECE and SAE.
- Available as 12 and 24 volt version.



Screw attachment, red
2DA 343 106-001

Adhesive attachment, red
2DA 343 106-201



Screw attachment, smoked glass
2DA 343 106-021

Adhesive attachment, smoked glass
2DA 343 106-221

Lamp modules 90 mm

- Modern brilliant design.
- Low installation depth.
- Clip/snap attachment for simple installation. No screw heads visible
- Simple bulb replacement possible from the front.

- Also available as daytime running light.
- Reversing lamp and rear indicator lamp with smoked glass coloured lens.
- Approval for ECE and SAE.
- Available in 12 and 24 volt.



Indicator light
2BA 965 039-061

Indicator light (rear) with smoked glass coloured lens
2BA 965 039-021

Daytime running light
2PT 965 039-161



Tail light
2SA 965 039-001

Stop light
2DA 965 039-011

Tail/stop light
2SB 965 039-051

Rear fog light
2NE 965 039-031



Reversing light
2ZR 965 039-041

Lighting

Work lamps

Work lamp range

- Hella is the leading supplier to manufacturers of agricultural and construction machinery.
- Wide range of halogen and xenon headlamps for all applications.
- Work lamps in various beam patterns: ground, close-range and long-range illumination.
- Outstanding light output thanks to innovative xenon technology.



Oval 100 Xenon Integral, 12 volt
1GA 996 261-511



Oval 100 H9, 12 volt
1GA 996 161-391

Oval 100 Xenon Integral, 12 volt

- Electronic ballast integrated in the housing making installation easy; no additional space requirements for the installation of the xenon electronic ballast.
- All external metal parts made of stainless steel.
- Headlamp base with sturdy 4-point attachment.

Oval 100 H9, 12 volt

- H9 bulb provides more than 1.5 times the light output of a H3 bulb.
- H9 bulb accessible from the outside, without the housing having to be opened; making electrical connection easier and enabling quick bulb replacement.



Oval 100 work lamp with H3 light technology and twin reflector system
1GA 996 161-131



Oval 100 work lamp with H3 light technology
1GA 996 161-111

Ultra Beam Xenon and Mega Beam Xenon with 4th generation electronic ballast

- Plug-type connection on the electronic ballast makes it possible to separate it from the work lamp and simplifies installation.
- 3 metre connection cable between the work lamp and the electronic ballast.
- All the external metal parts on the headlamp are made of stainless steel.



Ultra Beam Xenon with 4th generation ballast, 12 volt
1GA 998 534-221

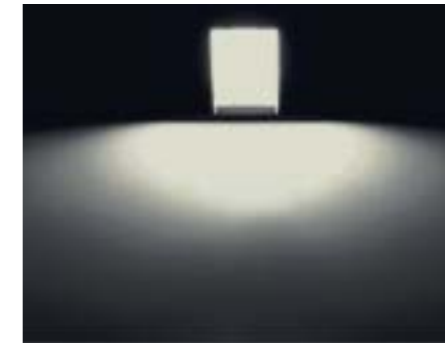


Mega Beam Xenon with 4th generation ballast, 12 volt
1GM 996 135-141

Hand lamps

Hella Floodlight: More light – less watts.

- Uniform, extremely wide illumination.
- Can be set up in three positions.
- Sturdy design, impact-resistant lens.
- Simple replacement of the fluorescent lamp, without tools being necessary.
- Resistant to oil and petrol.
- Possible to mount on the Hella Floodlight tripod.
- Easy to use.
- IP 54, protective class I.



Hella Floodlight 2 x 24 Watt



Halogen Spotlight 300 Watt



Floodlight

- 2 x 24 watts.
- Only 1/6 of the power consumption of comparable halogen lamps.
- TC-L fluorescent lamps.
- Mirrored reflector.
- Housing blue/black.
- Socket at the side for the connection of devices up to 2,500 watts.
- Supply cable 5 metres with shockproof plug.

2XM 001 974-131



Floodlight 24

- 24 watts with low loss ballast.
- Only 30% of the power consumption of comparable halogen lamps.
- Particularly handy and flexible to use.
- Waterproof and cadmium-free.
- TC-L fluorescent lamps – resistant even to heavy impact.
- Mirrored reflector.
- Housing blue/black.
- Socket on the rear for devices up to 2,000 watts.
- Supply cable 2.5 metres with shockproof plug.

2XM 009 266-001



High-quality tripod with pivoting joint, plastic bases, handle with cable winder, horizontally adjustable from 1.55 to 2.55 metres.

8XT 863 316-001

Lighting

Strobe type beacons KLX

Strobe-type beacons KLX with new powerful electronics.

The new KLX – high warning effect and reliable technology in a low-profile design.

- All necessary homologations; including EMC test according to CISPR 25, Class 3.
- Particularly low-profile design. Height without rubber base: 140 mm.
- Light values significantly above the legal requirements.
- Vibration-resistant and impact-proof PC light domes with special prism pattern in the colours amber and blue.
- Attractive cost effectiveness.
- Dustproof and resistant to high-pressure cleaning.
- Inverse polarity protection.
- Or alternatively with the use of an adapter for pipe socket mounting (8HG 005 436-011).
- 12 and 24 volt versions available.



KLX amber 12 volt
2RL 007 017-061

KLX amber 24 volt
2RL 007 017-071



KLX blue 12 volt
2RL 007 017-041

KLX blue 24 volt
2RL 007 017-051

Optical warning systems OWS-QS

For the toughest demands in warning effectiveness and flexibility.

The modular structure of the optical warning system OWS-QS allows a flexible combination of elements according to individual requirements with some completely innovative auxiliary light modules. Thanks to the range of lengths between 1,400 to 2,200 mm, the signalling system is suitable for special vehicles of different sizes.



- Optical warning system in 1,400, 1,600 or 1,800 mm width (also available in 2,000 or 2,200 mm on request).
- Optical systems: halogen rotating mirror technology with single or double reflectors or xenon double-flash technology.
- Various optional auxiliary lighting systems.

- Can also be mounted on vaulted vehicle roofs.
- Attractive low-profile design in silver with white central panel and amber light hoods.
- The modularity of the complete system allows various configuration possibilities.
- Available as 12 or 24 volt versions.

Optical warning systems OWS-QS, amber, 12 volt, 1,400 mm with double-flash system (various equipment versions available)
2RL 009 279-021

Rotating beacons/sirens RTK-QS

Individual combinations – optimum safety functions.

The new special signalling system RTK-QS with its attractive low-profile design has been developed especially for medium to large-sized emergency vehicles. The technical components of the system are modular and flexible which allows individual configuration possibilities. As well as various length versions, there are also 3 different light systems available for the main beacons (halogen rotating mirror as single or multiple reflector system or xenon double-flash system) as well as a range of optional auxiliary lighting systems.

- Modular warning system especially for medium and large emergency vehicles.
- Five different model widths from 1,400 to 2,200 mm.
- Various main and auxiliary light systems to choose from.
- Innovative control concept
 1. Conventional analogue signals
 2. Modern databus systems (e.g. via CAN-bus)
- The system can be operated either using an eAZD control unit, standard buttons or the vehicle interface.
- Up to 10 modules/channels can be operated (including external components).
- Function of the modules can also be programmed via PC.
- Wide range of tonal sequences can be coded.



- Optional 3rd loudspeaker facing the rear.
- Optional public address as well as radio and recorder override through eNF switch unit.
- Installation also possible on vaulted vehicle roofs.
- Available in 12 or 24 volt versions.

Control concepts

Functional control comfort.

eAZD control unit

- For the optical-acoustic control of special signalling systems.
- 8 buttons with function and control lighting.
- Location lighting.
- Programmable buttons for special functions.
- Compact dimensions (L x W: 100 mm x 55 mm).
- Simple installation thanks to adhesive attachment.
- Can be freely positioned within the vehicle.



Installation frame DIN recess eAZD and eNF (supplied with eNF dummy cover)
8HG 863 383-001



eAZD control unit for RTK-QS (12/24 volt) with button function
9SX 008 902-001
eAZD control unit for RTK 5/RTK-VE (12 volt) with switch function
9SX 008 902-011

eNF switch unit

- Modular extension of the RTK for the control of communication functions.
- Radio and microphone override.
- Functional lighting.
- Location lighting.
- CD-player connection/recorder function.
- Multi-stage loudspeaker regulation with display.
- Multi-voltage (12/24 volt).



eNF switch unit (basic system, comprising operating module and control unit)
9SX 863 114-001

Electrics

Starters and alternators

The economical and environmentally friendly solution.

The Hella range of remanufactured starters and alternators is continually being adapted to the requirements of the market.

- Very wide range with more than 2,600 articles.
- 97 % range coverage of all passenger cars in Western Europe.
- Comprehensive range for more than 12,000 passenger car and commercial vehicle models as well as agricultural and construction machinery.
- Continual extensions to the range with 37 new types just added (24 alternators/13 starters).
- The remanufacturing process takes place according to the quality requirements of vehicle manufacturers.
- The Process is subject to continual quality control.
- Quality assurance thanks to computer-supported testing devices.

New in the range:

13 starters e. g. for

- Citroen C5, C8, HDI
- Iveco Eurostar
- Nissan Micra 1.0i, 1.4i
- Peugeot 406, 607, 807, HDI

24 alternators e. g. for

- Audi A4 1.6, 1.8
- BMW 3 Series E46 320d, 330d, 316i, 318i
- Opel Astra G 1,2i, Corsa C 1,2i
- VW Passat B5 1.6, 1.8
- VW T4 2.0 petrol engine version



Digital timers

Extension to the range of electric products.

Thanks to the inclusion of manually adjustable digital timers Hella has a comprehensive range of modern control units to offer.

- New in the range: Manually adjustable digital timers with drop-out delay and pick-up delay in 12 and 24 volts.
- Delay can be regulated manually between 0 and 900 seconds.
- The articles have type approval according to guideline 95/54/EC.



Digital timer 12 volt with drop-out delay
5HE 996 152-021

Digital timer 24 volt with drop-out delay
5HE 996 152-031

Digital timer 12 volt with pick-up delay
5HE 996 152-041

Digital timer 24 volt with pick-up delay
5HE 996 152-051

Commercial vehicle mirrors

Extension to the range in the field of commercial vehicle mirrors.

Complete mirrors and spare parts for the volume-selling commercial vehicle models DAF CF, XF, MAN TGA and Volvo FH, FM.

New in the range:

- Main mirrors, wide angle mirrors, ramp mirrors and mirror systems with separately available glass units and covers – all crash-relevant parts from Hella.
- The correct mirrors for individual requirements: for use on the left and right for left-hand-drive and right-hand-drive vehicles.
- All the new mirrors can be heated (24 volts) and most of the models are also electrically adjustable.



Main mirror DAF CF, XF;
Complete mirror + control cable
8SB 354 507-001

Wide angle mirror DAF CF, XF;
complete mirror + 2-pole heating cable
(round right angle plug)
8SB 354 508-001



Mirror system Volvo FH, FM;
complete mirror
8SB 354 506-811

This is just a selection from the extension of the Hella range. More information will follow (the Electrics Catalogue 2005/2006 will be published in March 2005).

Main mirror MAN TGA; complete mirror
8SB 354 504-011

Wide angle mirror MAN TGA;
complete mirror
8SB 354 505-011

Electrics

Batteries

With the optimum type range from Hella you will always make the right choice.

The new battery range from Hella covers almost 95 % of all European vehicle types.

Hella Ultra Power for passenger cars: The high-performance battery for demanding requirements.

Suitable for almost all European vehicles! Capacity lead thanks to innovative Ca-Ca alloy. For high drawing of current and low water consumption.

- Absolutely maintenance-free.
- 20 % longer service life than conventional batteries.
- Especially suitable for short trips or stop-and-go traffic conditions.
- Leak-proof during transport and installation – making them extremely safe in the event of an accident.

Hella Power for passenger cars

Comprehensive range for many vehicle models. At optimum cost effectiveness.

- Maintenance-free.
- Reliable cold starting.
- Supplied filled and pre-charged.
- Durable.
- Long service life.

Hella Power for commercial vehicles: The battery for professional use.

- More vibration-proof than conventional starter batteries.
- Cyclic durability.
- Particularly sturdy.



Hella Ultra Power for passenger cars

Passenger car battery HUP 105; 12 volt; 60 Ah
8EB 009 297-501

Passenger car battery HUP 107; 12 volt; 71 Ah
8EB 009 297-521



Hella Power for passenger cars

Passenger car battery HP 122; 12 volt; 55 Ah
8EB 009 297-211



Hella Power for commercial vehicles

Commercial vehicle battery HP 306; 12 volt; 110 Ah
8EB 009 298-051

Battery chargers

Ready to go quickly: With the newly developed battery chargers from Hella!

- Automatic devices for safe continuous operation or turbo device for quick-action charging in approx. 15 minutes.
- Housing made of flame resistant plastic.
- Safe operation thanks to overload protection.
- LED charging state display.
- Pole clamps with particularly strong pressure springs guarantee safe contact to the battery poles.

Mini-charger 6/12 volt automatic

Suitable for gel batteries. Ideal for motorbike batteries but also for passenger cars, trucks and mobile homes. The safe charging electronics makes both automatic charge retention and continuous charging possible as well as the charging of totally discharged batteries.

Technical data

- 230 volts/50 Hz; 10 watts.
- Charging current at 6 volts → 0.8 amperes, or at 12 volts → 0.6 amperes.
- Automatic switch-off.
- Charge curve WU.
- CE approved.

Power-charger 10 automatic

Suitable for gel batteries. Fully automatic battery charger for 12 volt batteries. Elegant on a stable base with useful handle. The safe charging electronics makes both automatic charge retention and continuous charging possible as well as the charging of totally discharged batteries.

Charging process goes very easy on the battery. The “fresh cell treatment” for new power. The electronics switch the charging process off automatically when the maximum cell voltage of the battery has been reached and switches on again as soon as the battery charge drops. With quick-charge function from 7 to 10 amperes. The charge status of the battery can be tested and the charging process monitored by means of the LED display.

Technical data

- 230 volts/50 Hz; 130 watts.
- Normal charge 7 amperes.
- Quick-action charge 10 amperes.
- Automatic switch-off.
- Charge curve WU.
- CE approved.

Turbo-charger

The powerful battery charger with booster function for 12 volt batteries. Even totally discharged batteries can be made ready to go again quickly with this unit. The booster function has the effect of a top-level quick-action charge. A quick charge at 20 amperes is possible within approx. 15 minutes. Goes especially easy on the battery thanks to high initial charging current which is reduced automatically later. The charge status of the battery can be tested and the charging process monitored thanks to the LED display.

Technical data

- 230 volts/50 Hz; 350 watts.
- Normal charge 9 amperes.
- Quick-action charge 17 amperes.
- Charge curve W.
- CE approved.



Mini-charger
8ES 006 266-011



Power-charger
8ES 004 417-041



Turbo-charger
8ES 004 417-031

Electrics

Coiled connection cables

New in the Hella range.

- Complete range of coiled connection cables with 18 different types.
- High resistance to cold, heat, oil and chemicals.
- Very good fatigue strength under reverse bending.
- Excellent resetting characteristics.
- ABS/EBS and 15-pole plugs are ADR/GGVS approved.
- Working length 4 metres.



7-pole coiled connection cable with moulded plastic plugs (24 volt), N-type
8KA 004 797-031



7-pole coiled connection cable with moulded plastic plugs (24 volt), S-type
8KA 007 965-011



15-pole coiled connection cable (24 volt), Hytrel; 20,000 reverse bending processes guaranteed
8KA 007 648-041



5-pole ABS coiled connection cable (24 volt), Hytrel; 20,000 reverse bending processes guaranteed
8KA 007 648-001



7-pole coiled connection cable with metal plugs (12 volt)
8KA 004 797-021

15-pole coiled connection cable (24 volt), polyurethane
8KA 007 648-051

5-pole ABS coiled connection cable (24 volt), polyurethane
8KA 007 648-011

7-pole EBS coiled connection cable (24 volt), Hytrel; 20,000 reverse bending processes guaranteed
8KA 007 648-021

7-pole EBS coiled connection cable (24 volt), polyurethane
8KA 007 648-031



7-pole coiled connection cable with metal plugs and metal kink protection (24 volt), N-type
8KA 004 797-101

Adapters

More than 150 plugs, sockets and adapters.

- Wide range.
- New: Super-short adapters and mini-short adapters in extremely compact design.
- All the adapters necessary for the combination of 13-pole/12 volt or 15-pole/24 volt systems with the respective 7-pole systems in the range.



Super-short adapter 13 → 7 (12 volt)
8JA 008 969-001



Mini-short adapter 7 → 13 (12 volt)
8JA 008 981-001



Adapter spiral 15 → 2 x 7 (24 volt)
8JA 005 952-041



Short adapter 15 → 2 x 7 (24 volt)
8JA 005 952-061



Electrics

Switches

Wide range of switches with a high level of coverage.

The range is being extended by 27 new types in the area of sensor switches. The wide range of vehicle-specific Hella switches has achieved a high level of coverage for all high-volume passenger cars in Europe.

New in the range:

■ 14 stop light switches for

Audi A4, A6

6DD 008 622-351

Citroen Jumper

Fiat Ducato

Peugeot Boxer

6DD 008 622-441

Fiat Brava, Marea

6DD 008 622-431

Fiat Punto

6DD 008 622-391

Hyundai Accent

6DD 008 622-421

Lancia Y10

6DD 008 622-451

6DD 008 622-461

Nissan Almera

6DD 008 622-411

Opel Astra F, Astra G

6DD 008 622-471

Opel Corsa, Omega

6DD 008 622-401

Opel Omega, Senator

6DD 008 622-481

Renault Clio, Kangoo, Laguna

6DD 008 622-371

Renault Master, Opel Movano

6DD 008 622-361

VW Passat B5, T4

6DD 008 621-491



■ 5 gear switches for Audi, Seat, Skoda, VW **6ZF 008 621-251**

Audi A3, Skoda

6ZF 008 621-211

Ford Escort, Fiesta

6ZF 008 621-221

6ZF 008 621-231

6ZF 008 621-241

■ 4 thermal switches for Audi A3, Seat, Skoda **6ZT 007 800-111**

BMW 316i, 320i, 528i, Z3

6ZT 007 800-121

Opel Astra F, Astra G, Vectra

6ZT 007 800-151

6ZT 007 800-161

■ 4 oil pressure switches for Ford Fiesta, Mondeo, Mazda Tribute **6ZL 003 259-711**

Renault Clio, Kangoo

6ZL 003 259-751

Renault Clio, Kangoo, Laguna

6ZL 003 259-741

VW Golf II, Jetta

6ZL 003 259-761



Garage sets

Everything under control – and always on hand.

- New in the range: 6 Hella garage sets.
- Sturdy and light plastic case with carrying handle and clearly arranged inserts.
- Handy box for the flexible transport and storage of 4 set boxes.
- All product sets have been put together taking the most popular types into consideration.



ATO/MINI fuse set
8JS 009 257-801



Insulated crimp connector set
8KW 009 254-801



Non-insulated crimp connector set
8KW 009 255-801



"Superseal" plug-type housing set
8JA 009 256-801



"Duraseal" crimp connector set
8KW 009 253-801



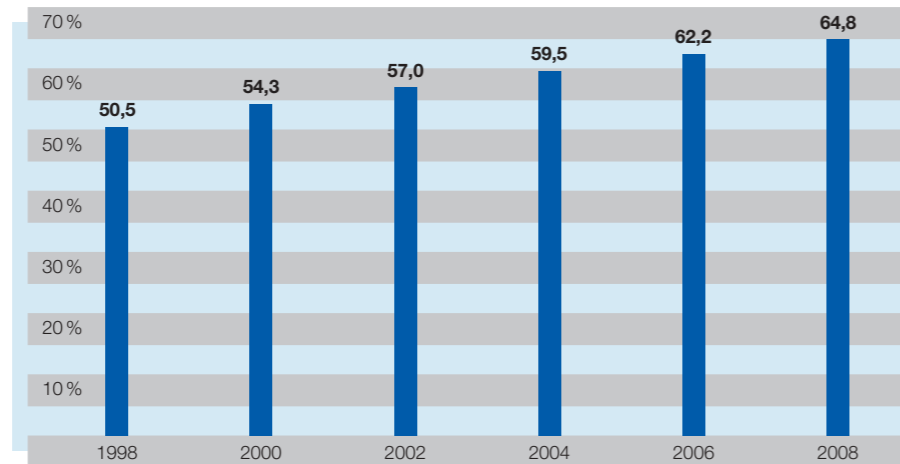
Universal O-ring set with 32 compartments
9GR 351 254-921

Electronics

The electronics market is growing rapidly!

By 2010 the share of electronics in vehicles will have risen to more than 30% of the total material value, from only 10% in 1980. The Center Automotive Research (CAR) has projected how sharply the number of vehicle breakdowns will increase due to faulty functions in electronics and electronics.

As a result garages, in particular, face an enormous challenge: Mastering and applying future technologies are the key to a successful economic future. Knowledge from experience alone is no longer enough. For this reason Hella provides support for garages in the form of continually updated training sessions and technical information.



Share of electrics/electronics in vehicle breakdowns, forecast 2004

Source: Dudenhöffer, CAR

Mass air flow meters

Function: Measuring element to determine fuel amounts.

The mass air flow meter is installed between the air filter housing and the intake manifold. It measures the mass air flow drawn in by the engine. This creates the basis for determining the amount of fuel that has to be fed to the engine.

Hella offers a comprehensive range of 27 mass air flow meters for petrol and diesel vehicles in original quality.



Extension to the range
Mass air flow meters for diesel engines

- Alfa Romeo
- Citroen
- Fiat
- Lancia
- Peugeot
- 8ET 009 142-141**
- 8ET 009 142-321**

Coolant temperature sensors

Function: Temperature measurement.

The coolant temperature sensor is screwed into the cooling system. The measuring tip projects into the coolant and records the temperature. This value enables the control unit to adapt the amount of fuel to be injected to the engine temperature.

With more than 70 different products Hella covers the most important European vehicles.



Extension to the range

- Audi
- Seat
- Skoda
- Volkswagen
- 6PT 009 107-541**

- Daihatsu
- Mitsubishi
- Volvo
- 6PT 009 107-121**

- Fiat
- Opel
- 6PT 009 107-591**

- Ford
- Seat
- Volkswagen
- 6PT 009 107-141**

- Renault
- 6PT 009 107-131**

- Citroen
- Fiat
- Opel
- Peugeot
- 6PT 009 107-611**

- Citroen
- Peugeot
- 6PT 009 107-791**

- Ford
- 6PT 009 107-781**

- Saab
- 6PT 009 309-021**

- SMART/MCC
- 6PT 009 309-001**

Electronics

Crankshaft/camshaft sensors

**Function of the crankshaft sensor:
To record engine speed.**

The crankshaft sensor records engine speed and the position of the crankshaft. The control unit uses these values to calculate the injection and ignition points.

**Function of the camshaft sensor:
To scan the ring gear.**

The camshaft sensor is on the cylinder head and scans a ring gear on the camshaft. This information is required e.g. to determine when to begin injection for sequential injection, for the trigger signal to the solenoid in pump-nozzle injection systems and for cylinder-selective knock control.

With well over 100 different products Hella supplies wholesalers and garages with products for all major European vehicle types.



Extension to the range

Crankshaft sensors

- Audi
- Seat
- Skoda
- Volkswagen
- 6PU 009 146-391**
- 6PU 009 163-271**
- 6PU 009 163-281**

Camshaft sensor

- Opel/Vauxhall
- 6PU 009 121-131**

- Citroen
- Peugeot
- 6PU 009 163-291**

- Ford
- 6PU 009 163-261**

- Ford
- Seat
- Volkswagen
- 6PU 009 146-381**

- Opel/Vauxhall
- 6PU 009 163-031**



Wheel speed sensor (ABS sensor)

**Function of the wheel speed sensor:
To supply data for ABS, ASR and ESP.**

The wheel speed sensor provides auxiliary systems such as ABS and ASR with a basis for calculations as well as GPS systems with values for calculating distance covered. A fault in the sensor will make these systems fail. This significantly reduces vehicle safety.

Hella offers a comprehensive range of 22 products in original quality.



- Audi
- Volkswagen
- 6PU 009 106-291**

Engine control units*

Repairs and remanufacturing of engine control units.

1. Remanufactured engine control units available ex stock:

Hella supplies more than 50 of the most common engine control units with 1,300 vehicle applications.

2. Engine control unit repairs:

Hella supplies engine control units for various injection systems with more than 210 unit versions and 1,700 vehicle applications in the repair range.



Extension to the range

- Mercedes-Benz C-Class (W202),
- C-Class T-model (S202),
- E-Class (W210), E-Class (W124)
- Mitsubishi Colt, Galant, Lancer
- Suzuki Vitara

* Available in Germany. For other countries it's being planned.

Air Conditioning



Filter-dryers/evaporators/oils

Testing units/O-rings/hoses



Filter-dryers:
Extension to the range with 172 applications.

New filter-dryers for:

Mercedes-Benz C-Class (W203, T203, C203), Smart
8FT 351 197-711

as well as replacement filter-dryers for Hella condensers
8FT 351 197-211
8FT 351 197-221
8FT 351 197-231
8FT 351 197-241

Now more than 250 filter-dryers in the Hella air conditioning range.

Evaporators:
Extension to the range with 202 applications.

New evaporators for:

Audi A6 (4B, C5)
8FV 351 211-161

Peugeot 206
8FV 351 211-151

Now more than 110 evaporators in the Hella air conditioning range.

Oils:
Extension to the range and new packaging unit.

Extension to the range:

PAO-oil 68, 5 litres
8FX 351 214-101

Conversion to 1 litre packaging:

Vacuum pump oil, 1 litre
8FX 351 215-011

Testing unit:
Modified technical version.

Multimeter with 15 bar low-pressure manometer
8PE 351 216-271

O-rings:
Extension to the range.

Universal O-ring set with 32 compartments
9GR 351 254-921

Compressor connection seal for Denso 7SBU compressor
9GR 351 289-931

Hoses:
New inclusion of 1.5 metre pieces.

Hose no. 6 1.5 metres
9GS 351 189-071

Hose no. 8 1.5 metres
9GS 351 189-081

Hose no. 10 1.5 metres
9GS 351 189-091

Thin-wall hose no. 6 1.5 metres
9GS 351 190-041

Thin-wall hose no. 8 1.5 metres
9GS 351 190-051

Thin-wall hose no. 10 1.5 metres
9GS 351 190-061

Thin-wall hose no. 12 1.5 metres
9GS 351 190-071



Lighting

Electrics

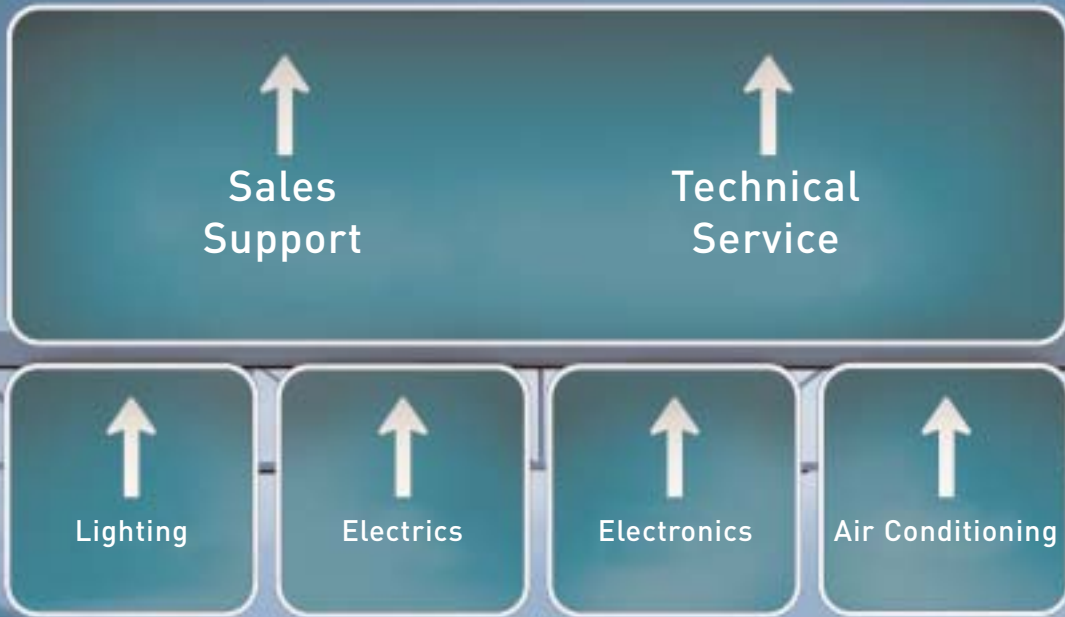
Electronics

Air
Conditioning

Sales
Support

Technical
Service

**Our ideas,
your success**



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**Ideas today for
the cars of tomorrow**

Lighting

Electrics

Electronics

Air
Conditioning

Sales
Support

Technical
Service

**Our ideas,
your success**



Sales
Support



Technical
Service



Lighting



Electrics



Electronics



Air Conditioning

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